CV LUIS MANTILLA

Email: luismantilla1999@gmail.com - **Phone:**+1 (778) 723-4872

LinkedIn - GitHub - Twitter

PERSONAL INFORMATION

Highly curious, skillful, and outstanding physicist and mathematician. Passionate for knowledge and emerging technologies. Mainly interested in quantum computing, reinforcement learning, optimization, and quantum error correction. Individual and team working skills to solve challenging problems. Seeking to leverage my knowledge and skills in a professional team.

EDUCATION

- **University of British Columbia, Vancouver** *2021 - 2023*
  MSc. Physics

- **Universidad de los Andes, Bogota** *2016 - 2021*
  BSc. Physics – BSc. Mathematics GPA : 4.52/5
  Theses topics: Holographic quantum error-correcting codes – Deep Q-learning

- **McGill University, Montreal** *2019*
  Exchange Program GPA : 3.60/4

EXPERIENCE

- **University of British Columbia, Vancouver** *2021 - Present*
  Graduate Research Assistant
  Teaching Assistant (Phys 100 & 170)

  Research assistant in Prof. Robert Raussendorf's quantum information group. I am working on implementing a quantum recurrent neural network.

- **Xanadu Quantum Technologies, Toronto** *Summer 2022*
  Residency program

  Member of Xanadu's software architecture team. Implement quantum error-correcting codes and decoders.

- **Cornell University, Ithaca** *Summer 2020*
  Summer Researcher

  Worked on the project Equilibria and bifurcations of an elastic ring with interacting particles.

SKILLS

Python	Experienced
Julia	Experienced

LANGUAGES

English
Spanish (Native speaker)